

# Madhav Institute of Technology & Science Gwalior-5

Department : CHEMICAL ENGG.

Year 2020 - 24

S.No.	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
1	170211 (Chemical Process Calculations)	2.29	2.29	2.30	2.30	2.29		2.30					2.37	2.29	2.29
2	170312 (Organic Process Technology)	2.71	2.75	2.75	2.75	2.52	2.79	2.74	2.84	2.73	2.71	3.00	2.73	2.76	2.72
3	170311 (Fluid Mechanics)	2.65	2.65	2.63	2.67	2.68	2.57	2.62	2.68	2.72	2.69	2.63	2.65	2.63	2.69
4	170311 (Fluid Mechanics Lab)	2.50	2.56	2.57	2.57										2.56
5	170313 (Chemical Engineering Thermodynamics)	2.54	2.54	2.54	2.54	2.53	2.56	2.54	2.57	2.55	2.54	2.54	2.54	2.54	2.54
7	170314 (Fluid Particle Mechanics)	2.63	2.63	2.61	2.58	2.58	2.65	2.53	2.61	2.65	2.66	2.52	2.64	2.49	2.60
8	170314 (Fluid Particle Mechanics Lab)	2.93	2.93	2.93										2.93	2.93
9	170315 (Chemical Synthesis Lab)	2.96	2.96	2.95	2.96	2.95	2.94	2.94	2.87	2.90	2.96	3.00	2.96	2.95	2.96
10	170317 (Summer Internship Project - I)	2.89	2.88	2.88	2.89	2.86	2.84	2.91	2.86	2.88				2.88	
11	170411 (Heat Transfer)	2.62	2.61	2.61	2.62	2.59	2.70	2.69	2.65	2.65	2.61	2.56	2.61	2.59	2.59
12	170411 (Heat Transfer Lab)				2.71			2.72	2.68	2.72	2.72	2.71		2.72	
13	170414 (Mass Transfer - I)	2.52	2.52	2.49	2.51	2.51	2.57	2.57	2.51	2.44	2.49	2.44	2.51	2.50	2.50
14	170414 (Mass Transfer - I Lab)	2.97	2.96										2.96	2.88	2.97
15	170412 (Instrumentation & Process Control)	2.72	2.72	2.71	2.72	2.71	2.79	2.84	2.76	2.79	2.71	2.76	2.72	2.60	2.75
16	170413 (Mechanical Design of Process Equipment)	2.50	2.48	2.49	2.45	2.49	2.40	2.40	2.56	2.43	2.46	2.53	2.50	2.47	2.49
17	100009 (Cyber Security)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00		3.00		3.00	3.00	3.00
18	170415 (Process Control Lab)	2.54	2.54	2.39									2.39	3.00	2.54
19	170511 (Data Science)	2.54	2.53	2.53	2.55	2.53		2.48		2.59	2.59	2.42	2.58	2.48	2.50
20	170512 (Mass Transfer - II)	2.63	2.59	2.60	2.60	2.76	2.57	2.61	2.62	2.68	2.62	2.64	2.62	2.58	2.64
21	170512 (Mass Transfer - II Lab)	2.85	2.84	2.86	2.85	2.85	2.94	2.91	2.94	2.88	2.85	2.95	2.85	2.85	2.85
22	170513 (Chemical Reaction Engg. - I)	2.70	2.77	2.67	2.60	2.48	2.44	2.48		2.44	2.68	3.00	2.71	3.00	2.50
23	170513 (Chemical Reaction Engg. - I Lab)	2.98	2.98	2.98	2.98	2.98	3.00	3.00		2.90	2.98		2.98	2.97	2.98
24	170514 (Computational Methods in Chemical Engg)	2.72	2.72	2.73	2.64	2.73	2.82	2.82	2.82	2.86	2.68	2.82	2.72	2.71	2.72
25	170516 (Minor Project - I)	2.96	2.97	2.98	2.94	3.00	2.97	2.98			2.96	3.00	2.97	2.96	2.97
26	170515 (Inorganic Process Technology)	2.85	2.85	2.85		2.84		3.00		2.85		3.00		2.85	
27	170514 (Computational Methods in Chemical Engg Lab)	2.94	2.94	2.94	2.92	2.84	2.96	2.92	2.90	2.94	2.92	2.92	2.95	2.94	
28	170615 (Process Modeling & Simulation)	2.76		2.92	3.00	3.00	2.87	2.84	2.79	2.89	3.00	2.87			2.88
29	170615 (Process Modeling & Simulation lab)	2.89	2.88	2.91					2.98				2.91	2.88	
30	170616 (Process Equipment Design)	2.89	2.88	2.91		2.76			2.98	2.92			2.91	2.88	2.95
31	170617 (Artificial Intelligence & Machine Learning)	2.63	2.64	2.65	2.64	2.65		2.60		2.57	2.59	2.68	2.59	2.65	2.63
32	170617 (Artificial Intelligence & Machine Learning Lab)	2.66	2.60	2.64	2.66	3.00	2.64	2.68	2.63	2.65	2.67	2.40	2.65	2.38	2.59
33	910115 (Fuels & Combustion)	2.46	2.58	2.14	2.75		2.66	2.45	2.86		2.50				
34	OC 1: Fuels & Combustion (900109)	2.44	2.36	2.00	2.63		3.00	3.00	3.00		2.50		2.50		1.00
35	170618 (Minor Project - II)	2.69	2.71	2.71	2.70	2.69	2.76	2.76	2.76	2.76	2.69		2.69	2.71	2.68
36	170721 (Transport Phenomena)	2.73	2.73	2.74	2.74	2.73	2.68	2.68	2.68	2.68	2.72	2.68	2.72	2.74	2.68
37	910215 (Industrial Safety & Hazards)	2.37	2.30	2.84	2.58	2.84		2.96			2.85		2.85	2.86	2.35
38	170715 (Process Computation Lab)	2.83	2.81	2.83	2.82	2.83	2.77	2.77		2.79	2.83		2.82	2.83	2.82
39	170716 (Creative Problem Solving)	2.99	2.99	3.00	2.98		3.00	3.00		3.00	3.00		2.99	3.00	2.99
40	170717 (Summer Internship Project - III)	2.97	2.95	2.96	3.00	3.00	3.00	2.96			2.96		2.96	2.96	2.96
41	170811 (Internship/ Research Project)	2.87	2.87	2.87	2.87	2.86	2.88	2.82	2.76	2.84	2.87		2.87		2.88
42	170812 (Professional Development)	2.99	2.99	3.00	3.00								2.98	3.00	2.98

	INDIRECT PO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Survey 1 (Exit Survey)		2.26	2.29	2.47	2.26	2.36	2.54	2.51	2.47	2.51	2.44	2.26	2.4	2.4	1.34
Survey 2 (Alumni Survey)		2.06	2.10	2.05	2.15	2.04	2.08	2.11	2.17	2.17	2.22	2.21	2.32	2.14	2.10
Survey 3 (Employer Survey)		1.88	1.94	1.91	1.79	1.65	1.68	1.87	1.89	1.82	1.90	1.68	1.42	1.70	1.63
	Indirect PO Attainment	2.07	2.11	2.14	2.07	2.02	2.10	2.16	2.18	2.17	2.19	2.05	2.05	2.08	1.69
Survey 3 (Employer Survey)		1.88	1.94	1.91	1.79	1.65	1.68	1.87	1.89	1.82	1.90	1.68	1.42	1.70	1.63
	Indirect PO Attainment	1.94	2.00	1.99	1.88	1.77	1.82	1.97	1.99	1.94	1.99	1.81	1.63	1.83	1.65

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PO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Direct PO Attainment	2.74	2.74	2.73	2.75	2.76	2.78	2.76	2.77	2.74	2.74	2.73	2.76	2.76	2.68
Indirect PO Attainment	1.94	2.00	1.99	1.88	1.77	1.82	1.97	1.99	1.94	1.99	1.81	1.63	1.83	1.65
Overall PO Attainment	2.58	2.59	2.58	2.57	2.56	2.59	2.61	2.62	2.58	2.59	2.55	2.53	2.58	2.47

